

# 24-Hour Electronic Time Switches



## ET1100 Series 24-Hour Time Switch (Same Operation Each Day)

Upgrading to an electronic time switch has never been easier than now with the new ET1100 Series. Features include; Automatic Daylight Saving Time adjustment, multi-volt operation from 120 to 277 VAC, and to-the-minute programming for accurate load control and reduced energy costs. Up to 28 set points or events (14 ON/14 OFF per channel) can be preset to automatically repeat on a daily basis. The program can be overridden at any time. Two industrial grade “AAA” Alkaline batteries provide 3 years minimum program and timing protection.

### Specifications

**Case Options** – Standard: NEMA 1 Grey Painted Drawn Steel; ‘R’ Option: NEMA 3R Grey Painted Drawn Steel; ‘PD82’ Option: NEMA 3R Grey High-Impact UV Resistant Polycarbonate Plastic with Clear Cover

*Note: The electronic mechanism snaps into the standard Intermatic time switch case, replacing mechanical mechanisms, if desired.*

**Knockouts** – Combination 1/2”-3/4” nominal knockouts, one on back and each side of case and two on bottom.

**Optional Enclosures** – See Time Switch Cases for optional enclosures.

**Special Voltages and Cycles** – ALL models 50 or 60 Hz.

**Switch Rating** – 30 Amp Inductive/Resistive, 24 / 120 / 240 / 277 VAC 60 Hz; 20 Amp Resistive, 28 VDC; 1 HP 120 VAC 60 Hz; 2 HP 240 VAC 60 Hz; 5 Amp Tungsten, 120 / 240 / VAC 60 Hz; 20 Amp ballast, 120-277 VAC 60 Hz. ET100C same ratings for 120 Volt loads only. ET1115 models normally closed contact ratings: 10A Resistive/General purpose, 12 - 277VAC; 10A Resistive/General purpose, 28VDC; 3A Ballast, 120 - 277VAC; 1/4 HP, 120 VAC; 1/2 HP, 240 VAC; 30 LRA; 12 FLA; 275 VA pilot duty, 120 - 240 VAC

**Pulse Feature** – 2-Circuit models feature 2-Second pulse option for contactor and bell ringing applications.

**Auto DST** – Automatic Adjustment for Daylight Saving Time (DST)

**Carry-over** – Field replaceable “AAA” batteries maintain program and accurate time keeping for 3 years minimum. Up front replacement does not require removal of mechanism.

**Wiring Terminals** – #18 to #10 AWG wire.

**Minimum ON/OFF Times** – 1 minute.

**Maximum ON/OFF Times** – 23 hours 59 minutes.

### Engineering Specification

#### 24 Hour Electronic Time Switch

The time switch shall be a solid state electronic control capable of permitting 28 ON/OFF set points per circuit to be distributed on a daily schedule. The time and set points shall be programmable to the nearest minute with a minimum ON duration of 1 minute and a maximum ON duration of 23 hours and 59 minutes. The timer shall have a digital LCD readout to show time-of-day using 12 hour AM/PM indicator. The time switch shall provide for automatic adjustment for Daylight Saving Time (DST). The time switch shall provide a manual override control for both temporary and permanent override. Time switch shall operate over a temperature range of -40°F (-40°C) to 155°F (68°C). Industrial grade AAA alkaline batteries shall carryover time-of-day and date for a minimum of 3 years. Program data shall be stored in non-volatile memory. Switch configuration to be \_\_\_\_\_ (SPST), (DPST) or (SPDT) with an agency listed rating of: 30 amp Inductive/Resistive, 24/120/240 Volts AC, 60 Hz; 20 amps Resistive, 28 VDC; 1 HP, 120 Volts AC, 60 Hz; 2 HP, 240 Volts AC, 60 Hz; 5 amps Tungsten, 120/240 Volts AC, 60 Hz; 20 amps Ballast, 120-277 Volts AC, 60 Hz. The time switch shall be powered by a 120-277 volts 50/60 Hz source. The time switch shall be enclosed in a lockable \_\_\_\_\_ (NEMA 1) or (NEMA 3R) rated enclosure. The time switch shall be listed under UL category 916 Energy Management Equipment and shall be INTERMATIC Model \_\_\_\_\_ (ET1105C/CR/CPD82), (ET1115C/CR/CPD82), or (ET1125C/CR/CPD82).

| Model#                     | Circuits | Switch | Clock Voltage   | Amp Rating | HP Rating | Enclosure |
|----------------------------|----------|--------|-----------------|------------|-----------|-----------|
| ET1105C                    | 1        | SPST   | 120/208/240/277 | 30         | 1HP / 2HP | NEMA1     |
| ET1105CPD82 <sup>1</sup>   | 1        | SPST   | 120/208/240/277 | 30         | 1HP / 2HP | NEMA 3R   |
| ET1105CR                   | 1        | SPST   | 120/208/240/277 | 30         | 1HP / 2HP | NEMA 3R   |
| ET1115C                    | 1        | SPDT   | 120/208/240/277 | 10/30      | 1HP / 2HP | NEMA1     |
| ET1115CPD82 <sup>1</sup>   | 1        | SPDT   | 120/208/240/277 | 10/30      | 1HP / 2HP | NEMA 3R   |
| ET1115CR                   | 1        | SPDT   | 120/208/240/277 | 10/30      | 1HP / 2HP | NEMA 3R   |
| ET1125C <sup>2</sup>       | 2        | SPST   | 120/208/240/277 | 30         | 1HP / 2HP | NEMA1     |
| ET1125CPD82 <sup>1 2</sup> | 2        | SPST   | 120/208/240/277 | 30         | 1HP / 2HP | NEMA 3R   |
| ET1125CR <sup>2</sup>      | 2        | SPST   | 120/208/240/277 | 30         | 1HP / 2HP | NEMA 3R   |

<sup>1</sup> CPD82 Models feature NEMA 3R high impact polycarbonate plastic case with clear cover for easy viewing of time switch mode and current status.

<sup>2</sup> ET8125 Models feature contacts that can be field configured to act as two independently operated SPST, one simultaneous operated DPST, or independently pulsed SPST for contactor and bell ringing applications.



Auto Daylight Saving Time Adjustment

Multi-Volt 120, 208, 240 & 277 VAC

Pulsed Contact Feature



UL917  
C22.2-177  
LR3730



2.5 lbs  
1.1 kg



-40°F  
(-40°C)  
to  
155°F  
(68°C)



CPD82

NEMA 3R with clear cover